



# INDUSTRIAL TECHNOLOGY TRAJECTORY: RUNNING WITH SCISSORS



# ADVERSARIES

THEY HAVE (AT LEAST) THREE THINGS YOU DO NOT





# EMBEDDED

REUSING OUR WAY TO UNKNOWN VULNERABILITY



A close-up photograph of six brown eggs arranged in two rows of three in a white egg carton. The eggs are the background for the text.

# FRAGILITY

UNIQUENESS INCREASES BOTH COST & RISK



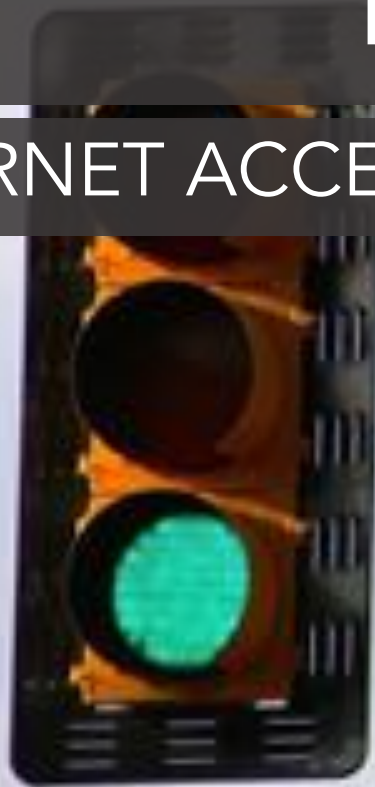
# CONNECTED

SMART EVERYTHING IS CONNECTED TO SMART EVERYTHING



# EXPOSURE

INTERNET ACCESS, REMOTE ADMINISTRATION & VENDOR SUPPORT





# EVERYWHERE

BOUNDARIES MATTER BOTH LESS & MORE

A photograph of a long, narrow path of torii gates in a forest, receding into the distance. The gates are made of dark wood and are arranged in a perspective that draws the eye towards the center. The path is paved with light-colored stones or concrete. The background is a dense forest of tall, thin trees.

# INFINITE

“LOGICAL DISTANCE” BETWEEN CLICK & MOVE





# DEPENDENCE

LOSING TOUCH WITH THE MANUAL CRAFT



# ISLANDING

COULD YOU REALLY CUT THE WIRE AND STILL RUN?



# INNOVATION

ACCELERATING OUR WAY TO DISRUPTION





# INVISIBLE

OT... IT... JUST T (XT?)





# INVENTORY

YOU NEED TO KNOW WHAT YOU HAVE TO PROTECT IT

# CONTROL

BEST DEFENSE AGAINST BOTH ACCIDENTS & MALICE







# BALANCE

MORE TOOLS MAY NOT SOLVE YOUR PROBLEM





# INTELLIGENCE

BIRDS, FISH, WILDEBEEST, MONDERN INFRASTRUCTURE





# OVERFLOW

WHAT HAPPENS WHEN EVERYTHING GENERATES A DATA STREAM?





# TRANSFORMATION

DATA IS NOW YOUR BUSINESS



# CLOUD

SOMEONE ELSE DOES IT CHEAPER AND BETTER THAN YOU





# RESPONSE/RECOVERY

PRACTICE FOR DISASTER



# FRAMEWORKS

STANDARDS, MODELS... WHICH ONE IS THE BEST?



A photograph of a black metal bike rack on a paved sidewalk. One of the wheels of a bicycle is lying on the ground next to the rack, secured to a post with a chain lock. The text 'REGULATION' is overlaid in large white letters on a dark grey horizontal band across the middle of the image.

# REGULATION

YOU CAN PRESCRIBE ACTION BUT NOT ATTITUDE



# PEOPLE

TRAINING, HIRING, RETENTION, BURNOUT & EGOS



# RESILIENCE

MAINTAIN OPERATIONS SAFETY & SECURITY THROUGH THE ATTACK



@PATRICKCMILLER



LINKEDIN.COM/IN/MILLERPATRICKC



PMILLER@AMPERESEC.COM



WWW.AMPERESEC.COM



+1.503.272.1414

